

Internal/External

STATE OF MONTANA JOB VACANCY
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5 Page Document

Department of Transportation
Human Resources
2701 Prospect Avenue
PO Box 201001
Helena, Montana 59620-1001

July 7, 2008 Internal/External **Statewide**

Position Title:	Senior Traffic Safety Engineer
Position Number:	54108004
Classification Code:	172517
Classification Title:	Civil Engineer Specialist
Work Comp Code:	9411
Bargaining Unit/Code:	Management/0000-9
Division:	Engineering/Safety Management Section
Location:	Helena
Job Status:	FT/Permanent
Work Shift:	8 hours Monday-Friday
Area Code:	059070
Supervisor:	Pierre A. Jomini
Band/Grade:	Band/Grade 7
Salary:	\$61,843 Annually
	Salary will be set in accordance with the 020 Pay Plan Rules
Supplement:	No
Closing Date:	Until filled

Applications will have a first review date of May 27, 2008

Application Deadline

Application materials from interested Department of Transportation Employees must be submitted online or received in the Human Resources office in Helena by 5:00 p.m. on the closing date.

In-state and out-of-state applications are due by 5:00 p.m. Mountain Time on the closing date. You can apply for this position online. Please visit the MDT website at <http://www.mdt.mt.gov/jobs/> for additional employment opportunities and information.

Alternatively, you can mail a completed State Application Form (PD-25) to the address shown above or to a local Montana Job Service Workforce Center.

For internal applicants, this position will qualify for reimbursement under the Moving and Relocation Expense Policy (3-0151).

Application and Selection Process

Factors to be considered in evaluating an applicant's qualifications will include the following:

1. An evaluation of the Montana State application form (PD-25) or the **MDT Application form (available on-line at www.mdt.mt.gov/jobs)**.
2. A structured interview.
3. Reference checks.

All applicants must submit the following documents by the closing date to be considered for this position. These documents will be used to evaluate your qualifications.

A signed and completed State of Montana Application (PD-25) or the **MDT Application form (available on-line at www.mdt.mt.gov/jobs)**.

Note: **Applicant must complete ALL sections of the state application.**

Failure to submit completed application materials as specified above will result in disqualification from the selection process. Late applications will be disqualified.

Transcripts: If you have attended or graduated from a college, university, community college, vocational-technical, or other school beyond high school, you are encouraged to submit grade transcripts because they help determine whether you are qualified to continue in the selection process. If you have a master's degree, include transcripts for both your master's and your bachelor's degrees.

If you are the successful candidate, and the position for which you applied requires a degree(s), or you used a degree to meet position qualifications, you will be REQUIRED to produce a copy of the official transcript(s), which must show the degree(s) and date(s) awarded, as a condition of employment.

Description of Position

The duties and responsibilities of this position consist primarily in the development of the Highway Safety Improvement Program, the management and coordination of data bases and computer programs. The Highway Safety Improvement Program has the goal to reduce the severity and number of highway crashes. It identifies sites and corridors with crash clusters, supervises design technicians in the development of collision diagrams. Organize, plan and conduct on-site investigations/analyses, evaluates crash causes and potential countermeasures to identified crash trends. Anticipate potential impacts of the proposed countermeasures. Develop preliminary and conceptual engineering designs. Provide technical supervision, training and mentoring of civil engineering specialists. Calculate benefits and costs of the proposed improvements. Establish a list of projects for administrative review and Transportation Commission action. Assist with the before/after evaluation of select projects and the writing of the annual report for program approval by the Federal Highway Administration. Provide safety expert technical assistance on project field reviews, project scoping meetings and citizens group meetings.

This position performs safety reviews for roadway projects, bridge projects, design exceptions, planning programs and other departmental needs; may participate on research projects.

This position manages the link/node system of city street indexing data. Tests new safety computer programs and trains staff with new computer applications.

Job Requirements

KNOWLEDGE: Thorough knowledge of the principles, methods and theories of Highway Safety Engineering, Highway Design, Highway Construction, Traffic Engineering; highway safety practices and keep current with latest technology, equipment and methods; knowledge of Intelligent Transportation Systems.

SKILLS: Computer applications; Oracle, Excel, Word, PLSQL, Intersection MagicUse of field equipment such as the DMI Distance Measuring Instrument, Ball Bank Indicator to measure the lateral acceleration on a curve. Ability to establish and maintain effective working relationships; with employees; citizens; groups, consultants, Federal, State and Local agencies. Must be able to communicate effectively both in writing and verbally. Demonstrate skills in training, monitoring, coaching personnel in assigning tasks and reviewing work of others. Must have a valid Montana driver's license.

ABILITIES: Ability to perform in depth engineering analyses and studies, to make engineering judgmental decisions based on the diverse knowledge of various disciplines and the unique site characteristics considering the economics of the recommendations and implications; read, interpret and analyze engineering reports, accident investigator's reports, plans, designs and specifications; and use computer programs to extract and evaluate data and information for use in engineering decisions.

Behaviors required to perform these duties:

Job specific behaviors:

- Creative problem solving: show extensive knowledge of safety countermeasures, new technology, innovative methods and, after sound PCI analyses (pros, cons and points of interest), apply to Montana highways
- Decision making: consider and evaluate alternatives and base decisions on sound engineering and on outcomes providing the highest return on the funds invested in the project.
- Organizational skills: ability to fully document processes and decisions. Set priorities on the numerous tasks to be carried out by this position.
- Interpersonal skills: build and maintain constructive and effective relationships with other Bureaus, Districts, Tribal contacts, local government representatives, enforcement agencies, the media and the public.
- Professionalism: is honest, caring and considerate of others. Follows the golden rule. Accepts personal responsibility for work and actions taken. Respects others.
- Leadership and mentoring: excels in helping, teaching, coaching and mentoring others. Leads the organization for the development of the Highway Safety Improvement Program.
- Adaptability and Flexibility: responds well to new assignments and to rush jobs.

Education and Experience:

Required/Acceptable: B.S in Civil Engineering or Civil Engineering Technology, Construction Engineering Technology AND 5 or more years of experience in highway design, highway construction, traffic engineering. Master of Science in Civil Engineering will substitute for one year of experience. Requires Professional Engineer License with Montana certification or P.E. from another State with certification in Montana within six months. The work requires proficiency and specialized training in MicroStation, computer aided drafting design, use of ORACLE data bases in conjunction with Query Builder, PL/SQL and other specialized software. Individuals who are not P.E. certified may be eligible, if they possess appropriate alternative qualifications based upon experience and education.

The State of Montana makes reasonable accommodations for any known disability that may interfere with an applicant's ability to compete in the recruitment and selection process or an employee's ability to perform the essential duties of the job. For the State to consider any such accommodation, the applicant must make known any needed accommodation.

MDT attempts to provide accommodations for any known disability that may interfere with a person participating in any service, program or activity of the Department. Alternative accessible formats of this

information will be provided upon request. For further information call (406) 444-6331 or TTY (800) 335-7592, or by calling Montana Relay at 711.

In compliance with the Immigration Reform Control Act, Public Law 99-603, the successful applicant will be required to supply documentation within 3 days of hire proving that he/she is eligible to work in the United States. Examples of documentation include a social security card along with a driver's license or other picture ID, a US passport or a green card. The Department of Transportation does not sponsor H1B Visa Petitions. To be eligible for permanent employment with the Department, an applicant must have a current US Green Card.

In accordance with the Montana compliance with military selective service act, males new to state government employment must produce documentation showing compliance with the federal military selective service act. Examples of this documentation include a registration card issued by selective service, a letter from selective service showing a person was not required to register, or information showing by a preponderance of evidence that a person's failure to register with selective service was not done knowingly or willfully.

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